

In re: Samuel D. Griggs et al.  
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This listing of claims replaces the prior listing of claims.

**Listing of Claims:**

1. (Currently Amended) A netting/product chute comprising an outer wall defining a [[an]] generally straight interior cavity extending therethrough, the outer wall including an exterior surface adapted to hold netting thereon, the cavity having a non-circular cross-section, wherein the chute comprises a primary body and an entry segment disposed upstream thereof, the entry segment having a flared portion with a first cross-sectional area that tapers into an adjacent downstream portion proximate the primary body to have a smaller second cross-sectional area thereat, and wherein the flared portion comprises a generally continuous ceiling, and wherein the chute comprises a handle attached to and extending away from the outer wall of the product chute proximate an ingress portion thereof and downstream of the flared portion of the product chute.

2. (Canceled)

3. (Original) A netting/product chute according to Claim 1, wherein the cavity has a generally pentagonal cross-sectional shape.

4. (Original) A netting/product chute according to Claim 1, wherein the product chute comprises a generally planar floor.

5. (Original) A netting/product chute according to Claim 1, wherein the cavity cross-sectional shape comprises an upper triangular portion.

6. (Original) A netting/product chute according to Claim 1, wherein the cavity cross-sectional shape is generally oval.

7. (Original) A netting/product chute according to Claim 6, wherein the product chute is configured with at least one wall that defines the oval and comprises opposing semicircular sides that merge into opposing generally planar upper and lower portions.

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8. (Original) A netting/product chute according to Claim 7, wherein the lower portion defines a substantially planar floor.

9. (Original) A netting/product chute according to Claim 4, wherein the outer wall has a cross-sectional shape with a generally curvilinear upper portion that terminates into the generally planar floor.

10. (Original) A netting/product chute according to Claim 9, wherein the outer wall has an upper circular cross-sectional shape that is truncated by the generally planar floor.

11. (Original) A netting/product chute according to Claim 1, wherein a discharge end of the product chute has an angular cross section when viewed from the side so that a length of an upper portion of the product chute is less than a length of a lower portion of the product chute.

12. (Original) A netting/product chute according to Claim 1, further comprising a sleeve of netting material held against the exterior surface of the outer wall of the netting/product chute.

13. (Original) A netting/product chute according to Claim 12, wherein the sleeve of netting material is configured to be in tension and extends a distance beyond a discharge end of the chute during operative use.

14. (Previously Presented) A netting/product chute according to Claim 1, further comprising a mounting bracket having a lower portion configured as a planar substantially horizontal mounting platform, the mounting bracket having an opposing upper portion attached to a lower portion of the product chute.

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15. (Previously Presented) A netting/product chute according to Claim 1, further comprising a mounting bracket having a transversely extending contoured recess configured to receive a lower portion of the product chute therein.

16. (Previously Presented) A netting/product chute according to Claim 15, wherein the mounting bracket is an angled bracket with the contoured recess merging into a first downwardly extending generally planar vertical segment that, in turn, merges into an axially extending generally planar horizontal segment.

17. (Original) A netting/product chute according to Claim 16, wherein the mounting bracket comprises a sensor that cooperates with a component on a mounting frame to inhibit operation when the chute is not in proper operative position.

18. (Canceled)

19. (Previously Presented) A netting/product chute according to Claim 1, wherein the flared entry segment defines a gap space proximate to and upstream of the floor of the primary body of the product chute.

20. (Currently Amended) A system for enclosing at least one semi-solid or solid product in a covering material, comprising:

an elongate product chute having a generally planar floor and an outer wall defining opposing receiving and discharge end portions and an interior cavity extending therethrough, the cavity having a non-circular cross-sectional shape, wherein the chute further comprises a flared entry segment with a first cross-sectional area that tapers into an adjacent downstream portion to have a smaller second cross-sectional area thereat, and wherein the elongate product chute comprises a handle extending above a generally medial location of an upper portion of the outer wall; and

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a clipper mechanism disposed downstream of the product chute, the clipper mechanism configured to apply at least one clip to a covering material that resides over and encloses a product discharged from the product chute; and  
a sleeve of netting held over the outer wall of the product chute downstream of the handle.

21. (Canceled)

22. (Original) A system according to Claim 20, wherein the cavity has a generally pentagonal cross-sectional shape.

23. (Original) A system according to Claim 20, wherein the cavity cross-sectional shape comprises an upper triangular portion.

24. (Original) A system according to Claim 20, wherein the cavity cross-sectional shape is generally oval.

25. (Original) A system according to Claim 24, wherein the outer wall defines the oval shape and comprises opposing generally semicircular sides that merge into opposing generally planar upper and lower portions.

26. (Previously Presented) A system according to Claim 20, wherein the product chute outer wall has a cross-sectional shape with a generally curvilinear upper portion that terminates into the lower generally planar floor.

27. (Original) A system according to Claim 20, wherein the product chute outer wall has cross-sectional shape with an upper circular shape that defines a major portion of the shape and is truncated by the generally planar floor.

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28. (Original) A system according to Claim 20, wherein a discharge end of the product chute has an angular cross section when viewed from the side so that a length of an upper portion of the product chute is less than a length of a lower portion of the product chute.

29. (Original) Canceled.

30. (Currently Amended) A system according to Claim ~~[[29]]~~ 20, wherein the sleeve of netting material is configured to be held in tension and extends a distance beyond a discharge end of the chute during operative use.

31. (Previously Presented) A system according to Claim 20, further comprising a mounting bracket, the mounting bracket having a lowermost generally planar substantially horizontal mounting platform and an opposing upper portion that is attached to a bottom of the product chute.

32. (Previously Presented) A system according to Claim 20, further comprising a mounting bracket, the mounting bracket having a generally concave transversely extending contoured recess configured to receive a lower bottom portion of the product chute therein.

33. (Previously Presented) A system according to Claim 32, wherein the mounting bracket is an angled bracket with the contoured recess merging into a first downwardly extending generally planar vertical segment that, in turn merges into an axially extending generally planar horizontal segment.

34. (Original) A system according to Claim 20, further comprising a mounting bracket affixed to the product chute, wherein the mounting bracket comprises a sensor that cooperates with a component on a mounting frame to inhibit operation when the chute is not in proper operative position.

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35. (Canceled)

36. (Previously Presented) A system according to Claim 20, wherein the flared entry segment defines a gap space proximate to and upstream of the floor of the primary body of the product chute.

37. (Original) A system according to Claim 20, further comprising a mounting bracket attached to the product chute, and wherein the product chute mounting bracket is releasably mounted to a frame that holds the product chute in alignment with the clipper mechanism during operation.

38. (Original) A system according to Claim 20, wherein the product chute interior cavity has a cross-sectional profile that is sized and configured to snugly receive and/or compress a product as the product moves along the length thereof.

39. (Original) A system according to Claim 20, wherein the product chute is held substantially horizontal during operation.

40. (Original) A system according to Claim 20, wherein the product chute is held tilted relative to horizontal during operation.

41. (Currently Amended) A method of packaging an object or objects in netting, comprising:

pushing at least one object through a product chute having a floor and a non-circular cross-sectional shape, wherein the chute comprises a primary body and a flared entry portion with a first cross-sectional area that tapers into an adjacent downstream portion proximate the primary body to have a smaller second cross-sectional area thereat;

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pulling netting material downstream of the product chute off of an exterior surface of the product chute to automatically enclose the object in the netting material as the object exits the product chute; then

applying at least one clip to the netting material to secure the object in the netting material; and

automatically sensing whether the product chute is in position to thereby inhibit operation when the chute is not in proper operative position.

42. (Original) A method according to Claim 41, wherein the netting material comprises a sleeve of elastic netting material.

43. (Original) A method according to Claim 41, wherein the netting material comprises netting material that is elastically isotropic to thereby be stretchable in an axial direction and in a direction that is substantially orthogonal thereto.

44. (Original) A method according to Claim 41, wherein the chute has a generally planar floor.

45. (Original) A method according to Claim 44, wherein the chute has a substantially planar floor.

46. (Canceled)

47. (Original) A method according to Claim 41, wherein the cavity has a generally pentagonal cross-sectional shape.

48. (Original) A method according to Claim 41, wherein the cavity cross-sectional shape comprises an upper triangular portion.

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49. (Original) A method according to Claim 41, wherein the cavity cross-sectional shape is generally oval.

50. (Original) A method according to Claim 49, wherein the product chute is configured with at least one wall that defines the oval and comprises opposing semicircular sides that merge into opposing generally planar upper and lower portions.

51. (Original) A method according to Claim 41, wherein the product chute has an outer wall with a cross-sectional shape having a generally curvilinear upper portion that terminates into a generally planar lower floor portion.

52. (Original) A method according to Claim 41, wherein the product chute has an upper circular cross-sectional shape that is truncated by a generally planar floor.

53. (Original) A method according to Claim 41, wherein a discharge end of the product chute has an angular cross section when viewed from the side so that a length of an upper portion of the product chute is less than a length of a lower portion of the product chute.

54. (Original) A method according to Claim 41, further comprising placing a sleeve of netting material over the product chute and stretching the sleeve so that it is in tension in at least the axial direction and extends a distance beyond a discharge end of the chute prior to the pulling and/or applying step.

55. (Previously Presented) A method according to Claim 54, wherein the product chute comprises a mounting bracket with a transversely extending generally concave recess having a contour that generally matches that of a bottom portion of the product chute, further comprising releaseably mounting the mounting bracket and product chute to a mounting frame after inserting the sleeve of material thereon.



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56. (Canceled).

57. (Original) A method according to Claim 41, wherein the object is a meat product.

58. (Original) A method according to Claim 57, wherein the meat product is a ham.

59. (Previously Presented) A method according to Claim 57, wherein the meat product comprises turkey held in a mold.

60. (Currently Amended) A netting/product chute comprising an outer wall defining [[an]] a generally straight interior cavity extending therethrough, the outer wall including an exterior surface adapted to hold netting thereon, the cavity having a non-circular cross-section, the chute further comprising a handle attached to a medial uppermost portion of the outer wall of the product chute proximate an ingress portion thereof.

61. (Currently Amended) A netting/product chute comprising an outer wall defining an interior cavity extending therethrough, the outer wall including an exterior surface adapted to hold netting thereon and an upwardly extending handle, the cavity having a non-circular cross-section, wherein a discharge end of the product chute has an angular cross section when viewed from the side so that a length of an upper portion of the product chute is less than a length of a lower portion of the product chute.

62. (Currently Amended) A system for enclosing at least one semi-solid or solid product in a covering material, comprising:

an elongate product chute having a generally planar floor and an outer wall defining opposing receiving and discharge end portions and an interior generally straight cavity extending therethrough, the cavity having a non-circular cross-sectional shape;

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a mounting bracket attached to the product chute, and wherein the product chute mounting bracket is releasably mounted to a frame that holds the product chute in alignment with ~~[[the]]~~ a clipper mechanism during operation; and

a clipper mechanism disposed downstream of the product chute, the clipper mechanism configured to apply at least one clip to a covering material that resides over and encloses a product discharged from the product chute, wherein the mounting bracket comprises a sensor that cooperates with a component on a mounting frame to inhibit operation when the chute is not in proper operative position.

63. (Canceled)

64. (Previously Presented) A netting/product chute assembly comprising:

a netting chute with an outer wall defining an interior cavity extending therethrough, the outer wall including an exterior surface adapted to hold netting thereon, the cavity having a non-circular cross-section; and

a mounting bracket having a transversely extending contoured generally concave recess configured to releasably receive a lower portion of the product chute therein.

65. (Previously Presented) A netting/product chute assembly according to Claim 64, wherein the mounting bracket has a generally planar upwardly extending medial portion that merges into the contoured recess at a top portion thereof and merges into a planar substantially horizontal mounting platform at a lower portion thereof.

66. (Previously Presented) A netting/product chute assembly according to Claim 64, wherein the mounting bracket comprises a sensor that cooperates with an electronic component on a mounting frame that, in position on the mounting frame, is configured to inhibit operation when the chute is not in proper operative position.